



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| In re United State | s Patent Application of: | Docket No.: | 4115-197 |
|--------------------|---|---------------|------------------|
| Applicants: | SCHREIER, Harold J., et al. | Conf. No.: | 6432 |
| Application No.: | 10/588,256 | Art Unit: | 1724 |
| Date Filed: | July 29, 2006 | Examiner: | Not Yet Assigned |
| Title: | DISSIMILATORY SULFATE REDUCTION AS A PROCESS TO PROMOTE DENITRIFICATION IN MARINE RECIRCULATING AQUACULTURE SYSTEMS | Customer No.: | 23448 |

FIRST CLASS MAIL CERTIFICATE

I hereby certify that I am mailing the attached documents to the Commissioner for Patents on the date specified, in an envelope addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313, First Class Mailed under the provisions of 37 CFR 1.8.

Barbara Owens

November 10, 2006

Date of Mailing

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT IN U.S. PATENT APPLICATION NO. 10/588,256

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Sir:

Pursuant to 37 C.F.R. §1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) listed on the attached PTO/SB/08A. One copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed within three months of the U.S. filing date OR before the mailing date of a first Office Action on the merits. No certification or fee is required.

Respectfully submitted,

Steven J. Hultquist Reg. No. 28,021 Attorney for Applicants

INTELLECTUAL PROPERTY/ TECHNOLOGY LAW Phone: (919) 419-9350 Fax: (919) 419-9354 Attorney File No.: 4115-197

Enclosures: IDS Forms [1 pg(s).] Foreign Patent References [51 pgs.] Return Postcard [1 pg.]

The USPTO is hereby authorized to charge any deficiency or credit any overpayment of fees properly payable for this document to Deposit Account No. 08-3284

PTO/SB/08a (09-06)

Approved for use through 03/31/2007. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

| DEAL | | | | Complete if Known | | |
|-------|-----------------------------|--------|------|------------------------|------------------|--|
| Sub | stitute for form 1449A/PTO | | | Application Number | 10/588,256 | |
| 13 | NEODMATION DISC | 0 | LIDE | Filing Date | 7/29/2006 | |
| | INFORMATION DISCLOSURE | | | First Named Inventor | Schreier et al. | |
| 3 | STATEMENT BY APP | LIC | ANI | Art Unit | 1724 | |
| | (Use as many sheets as nece | ssary) | | Examiner Name | Not Yet Assigned | |
| Sheet | 1 | of | 1 | Attorney Docket Number | 4115-197 | |

| | U.S. PATENT DOCUMENTS | | | | |
|-------------------|-----------------------|-----------------------------|--|------------------------|---|
| Examiner Cite L | Cite | | Publication Date | Name of Patentee or | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | MM-DD-YYYY | Applicant of Cited Document | Figures Appear | | |
| | AQ | US- 5,482,630 - A | 01-09-1996 | Lee, Phillip G. et al. | - |
| | | US- | | | |
| | | US- | | | |
| | | US- | | | |
| | | US- | <u></u> | | |
| | | US- | | | |
| | | US- | <u> </u> | | |
| | | US- | ************************************** | | |
| | | US- | > | | |
| | | US- | | | |
| | - | US- | | | |
| | | US- | | | |
| .,, | | US- | | | |

| | FOREIGN PATENT DOCUMENTS | | | | | |
|-----------------------|---|-------------------------|-----------------------------|--|---|----|
| Examiner Initials* | Cite No.1 | Foreign Patent Document | Publication Date | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages | T° |
| initials" No. | Country Code ³ - Number ⁴ - Kind Code ⁵ (if known) | IVIIVI-DD-1111 | Applicant of Cited Document | or Relevant Figures Appear | | |
| | AR | WO - 03/065798 - A1 | 08-14-2003 | Linden, Björn, et al. | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

| Examiner | Date |
|-----------|------------|
| Signature | Considered |

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.